

CLAIMS

What is claimed is:

1. A method of activating a plurality of target elements in a computing arrangement, comprising:
 - receiving a high-level activation request pertaining to said plurality of target elements;
 - parsing said high-level activation request into a plurality of atomic requests; and
 - receiving at time t1 a first atomic request of said plurality of atomic requests at a first journaling proxy, said first journaling proxy being associated with a first target element of said plurality of target elements, said first journaling proxy intentionally delaying sending said first atomic request to said first target element for execution until a time t2 that satisfies a set of predefined configuration parameters for said first target element.
2. The method of claim 1 wherein said set of predefined configuration parameters for said first target element specifies a predefined time window within which said executing said first atomic request occurs.
3. The method of claim 1 wherein said first atomic request includes resetting said first target element, said resetting only occurs after a predefined number of reset-containing requests for said first target element are accumulated by said first journaling proxy since said first target element was last reset, said resetting only occurs once at said first target element for said predefined number of reset-containing requests.
4. The method of claim 1 wherein said first atomic request includes resetting said first target element, said resetting of said first target element only occurs after an expiration of a predefined time period since said first target element was last reset.
5. The method of claim 1 wherein said first atomic request includes resetting said first target element, said resetting only occurs after an expiration of a predefined time period since said first atomic request is received by said first journaling proxy.

6. The method of claim 1 wherein said first atomic request includes resetting said first target element, said time t2 occurs responsive to a first occurrence of one of a first event and a second event, said first event representing an accumulation of a predefined number of reset-containing requests for said first target element by said first journaling proxy, said second event representing an expiration of a predefined time period since said first atomic request is received by said first journaling proxy.
7. The method of claim 1 wherein only a subset of target devices that receive atomic requests parsed from said high-level request are associated with journaling proxies.
8. The method of claim 7 wherein each target device of said subset is associated with a different journaling proxy.
9. The method of claim 1 further comprising sending a qualified success message from said first journaling proxy to said activation engine after said first atomic request is received at said first journaling proxy, said qualified success message enabling said activation engine to consider said high-level request a provisional success in order to attend to any other pending high-level activation request.
10. The method of claim 9 wherein said qualified success message is sent only after said first journaling proxy ascertains that said first target element is capable of performing all tasks specified by said first atomic request but for at least one unsatisfied parameter in said predefined configuration parameters.
11. The method of claim 1 further comprising undoing all completed atomic tasks that have been completed pursuant to said high level activation request if said first target element is unable to complete said first atomic request when said first atomic request is executed at said first target element.
12. An arrangement for activating a target element, comprising:
an activation engine; and

a journaling proxy coupled to said activation engine and said target element, said journaling proxy being configured to receive an atomic request from said activation engine at time t1, said journaling proxy intentionally delaying sending said atomic request to said target element for execution until a time t2 that satisfies a set of predefined configuration parameters for said target element.

13. The arrangement of claim 12 wherein said set of predefined configuration parameters for said target element specifies a predefined time window within which said executing said atomic request occurs.

14. The arrangement of claim 12 wherein said atomic request includes resetting said target element, said resetting only occurs after a predefined number of reset-containing requests for said target element are accumulated by said journaling proxy since said target element was last reset, said resetting only occurs once at said target element for said predefined number of reset-containing requests.

15. The arrangement of claim 12 wherein said atomic request includes resetting said target element, said resetting only occurs after an expiration of a predefined time period since said target element was last reset.

16. The arrangement of claim 12 wherein said atomic request includes resetting said target element, said resetting only occurs after an expiration of a predefined time period since said atomic request is received by said journaling proxy.

17. The arrangement of claim 12 wherein said atomic request includes resetting said target element, said time t2 occurs responsive to a first occurrence of one of a first event and a second event, said first event representing an accumulation of a predefined number of reset-containing requests for said target element by said journaling proxy, said second event representing an expiration of a predefined time period since said atomic request is received by said journaling proxy.

18. The arrangement of claim 12 wherein said journaling proxy is configured to send a qualified success message to said activation engine after said atomic request is received at said journaling proxy, said qualified success message enabling said activation engine to consider said high-level request a provisional success in order to attend to any other pending high-level activation request.

19. The arrangement of claim 18 wherein said qualified success message is sent only after said journaling proxy ascertains that said target element is capable of performing all tasks specified by said atomic request but for at least one unsatisfied parameter in said predefined configuration parameters.

20. An article of manufacture comprising a program storage medium having computer readable code embodied therein, said computer readable code being configured to activate a target element in a computing arrangement, comprising:

computer readable code for receiving an atomic request at a journaling proxy from an activation engine; and

computer readable code for intentionally delaying execution of said atomic request by said target element until a time that satisfies a set of predefined configuration parameters for said target element.

21. The article of manufacture of claim 20 wherein said set of predefined configuration parameters for said target element specifies a predefined time window within which said executing said atomic request occurs.

22. The article of manufacture of claim 20 wherein said atomic request includes resetting said target element, said computer readable code for said intentionally delaying includes computer readable code for permitting resetting of said target element only after a predefined number of reset-containing requests for said target element are received said journaling proxy since said target element was last reset, said resetting only occurs once at said target element for said predefined number of reset-containing requests.

23. The article of manufacture of claim 20 wherein said atomic request includes resetting said target element, said computer readable code for said intentionally delaying includes computer readable code for permitting resetting of said target element only after an expiration of a predefined time period since said target element was last reset.

24. The article of manufacture of claim 20 wherein said atomic request includes resetting said target element, said computer readable code for said intentionally delaying includes computer readable code for permitting resetting of said target element only after an expiration of a predefined time period since said atomic request was received by said journaling proxy.

25. The article of manufacture of claim 20 further comprising computer readable code for sending a qualified success message from said journaling proxy to said activation engine after said atomic request is received at said journaling proxy, said qualified success message enabling said activation engine to consider a high-level request that contains said atomic request a provisional success in order to attend to any other pending high-level activation request.

26. The article of manufacture of claim 25 wherein said qualified success message is sent only after said journaling proxy ascertains that said target element is capable of performing all tasks specified by said atomic request but for at least one unsatisfied parameter in said predefined configuration parameters.

27. The article of manufacture of claim 20 further comprising undoing all completed atomic tasks that have been completed pursuant to said high level activation request if said target element is unable to complete said atomic request when said atomic request is executed at said target element.